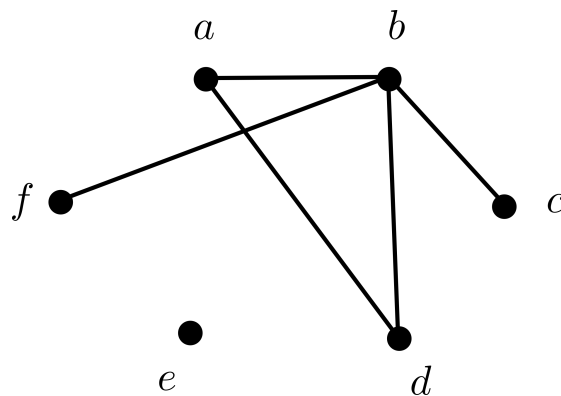


Vocab/notation In a graph G ...

Independent set: a set of vertices where no two are adjacent.

Clique: a set of vertices where every two are adjacent.

Vertex cover: a set of vertices X where every edge is incident to some vertex in X . (a set of vertices that "touches" every edge in G)



In this graph, which kind of set is $\{a,b,d\}$?

Can you find an example of **each** type of set in this graph?